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**Dr. Syed Sirajul Islam, Professor**

## ***CERTIFICATE FROM THE SUPERVISOR***

This is to certify that the research work presented in the thesis entitled “**ISOLATION, PURIFICATION AND CHARACTERIZATION OF BIOACTIVE POLYSACCHARIDES FROM EDIBLE MUSHROOMS AND POLYSACCHARIDE BASED NANOPARTICLES**” has been carried out under my direct supervision and a bonafide research work of **Mr. Dilip Kumar Manna**. This work is original and has not been submitted for any degree or diploma to this or any other University or Institution.

Date:

(Syed Sirajul Islam)  
Research Supervisor